L.

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Preliminary Classification:

Proposed Class:

Subclass:

NOTE:

"All applicants are requested to include a preliminary classification on newly filed patent applications. The preliminary classification, preferably class and subclass designations, should be identified in the upper right-hand corner of the letter of transmittal accompanying the application papers, for example 'Proposed Class 2, subclass 129." M.P.E.P. § 601, 7th ed.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Patent and Trademark Office New Patent Application P.O. Box 2327 Arlington, VA 22202

#### **NEW APPLICATION TRANSMITTAL**

Transmitted herewith for filing is the patent application of:

Inventor(s): Jari Syrjärinne, Harri Valio

WARNING: 37 C.F.R.§ 1.41(a)(1) points out:

"(a) A patent is applied for in the name or names of the actual inventor or inventors.

"(1) The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.63, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(I) is filed supplying or changing the name or names of the inventor or inventors."

For (title): METHOD AND APPARATUS FOR SAVING POWER IN A GLOBAL

POSITIONING SYSTEM RECEIVER

#### **CERTIFICATION UNDER 37 C.F.R. § 1.10\***

(Express Mail label number is mandatory) (Express Mail certification is optional.)

I hereby certify that this New Application Transmittal and the documents referred to as attached therein are being deposited with the United States Postal Service on this date, December 12, 2001, in an envelope as "Express Mail Post Office to Addressee," mailing Label Number EV 005 523 959 US, addressed to the: United States Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202.

> Ann Van Buskirk (type or print name of person mailing paper) Van Buskerk

Signature of person mailing paper

Certificate of mailing (first class) or facsimile transmission procedures of 37 C.F.R. § 1.8 cannot **WARNING:** be used to obtain a date of mailing or transmission for this correspondence.

Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at

56,442.

**WARNING:** 

١.	Typ	e c	of Application
	Thi	s ne	ew application is for a(n)
			(check one applicable item below)
	X	Or	iginal (nonprovisional)
		De	esign
			Plant
WA	RNIN	G:	"Do not use this transmittal for a completion in the U.S. of an International Application under 35 U.S.C. § 37(c)(4), unless the International Application is being filed as a divisional, continuation or continuation-in-part application.
WA	RNIN	IG:	Do not use this transmittal for the filing of a provisional application.
NO	AF a		one of the following 3 items apply, then complete and attach ADDED PAGES FOR NEW PLICATION TRANSMITTAL WHERE BENEFIT OF A PRIOR U.S. APPLICATION CLAIMED and NOTIFICATION IN PARENT APPLICATION OF THE FILING OF THIS CONTINUATION PPLICATION.
			Divisional

## 2. Benefit of Prior U.S. Application(s) (35 U.S.C. §§ 119(e), 120, or 121)

NOTE: A nonprovisional application may claim an invention disclosed in one or more prior filed copending nonprovisional applications or copending international applications designating the United States of America. In order for a nonprovisional application to claim the benefit of a prior filed copending nonprovisional application or copending international application designating the United States of America, each prior application must name as an inventor at least one inventor named in the later filed nonprovisional application and disclose the named inventor's invention claimed in at least one claim of the later filed nonprovisional application in the manner provided by the first paragraph of 35 U.S.C. § 112. Each prior application must also be:

- (i) An international application entitled to a filing date in accordance with PCT Article 11 and designated the United States of America; or
- (ii) Complete as set forth in § 1.51(b); or

Continuation-in-part (C-I-P)

- (iii) Entitled to a filing date as set forth in § 1.53(b) or § 1.53(d) and include the basic filing fee set forth in § 1.16; or
- (iv) Entitled to a filing date as set forth in § 1.53(b) and have paid therein the processing and retention fee set forth in § 1.21(l) within the time period set forth in § 1.53(f).

37 C.F.R. § 1.78(a)(1).

NOTE: If the new application being transmitted is a divisional, continuation or a continuation-in-part of a parent case, or where the parent case is an International Application which designated the U.S., or benefit of a prior provisional application is claimed, then check the following item and complete and attach ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.

WARNING: If an application claims the benefit of the filing date of an earlier filed application under 35 U.S.C. §§ 120, 121 or 365(c), the 20-year term of that application will be based upon the filing date of the earliest U.S. application that the application makes reference to under 35 U.S.C. §§ 120,121 or 365(c). (35 U.S.C. § 154(a)(2) does not take into account, for the determination of the patent term, any application on which priority is claimed under 35 U.S.C. §§ 199, 365(a) or 365(b).) For a c-i-p application, applicant should review whether any claim in the patent that will issue is supported by an earlier application and, if not, the applicant should consider canceling the reference to the earlier filed application. The term of a patent is not based on a claim-by-claim approach. See Notice of April 14, 1995, 60 Fed. Reg. 20,195, at 20,205.

☐ Citations

WARNING:		Feder	n the last day of pendency of a provisional application falls on a Saturday, Sunday, or ral holiday within the District of Columbia, any nonprovisional application claiming benefit of rovisional application <b>must</b> be filed prior to the Saturday, Sunday, or Federal holiday within istrict of Columbia. See 37 C.F.R. § 1.78(a)(3).
		appl TRA	new application being transmitted claims the benefit of prior U.S. ication(s). Enclosed are ADDED PAGES FOR NEW APPLICATION NSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) IMED.
3.	Papers	s Enc	losed
	(Do <u>17</u> Pa <u>3</u> Pa	esign ages o ges o neets	d for filing date under 37 C.F.R. § 1.53(b) (Regular) or 37 C.F.R. § 1.153 ) Application of specification f claims of drawings
	WARNII	NG:	<b>DO NOT</b> submit original drawings. A high quality copy of the drawings should be supplied when filing a patent application. The drawings that are submitted to the Office must be on strong, white, smooth, and non-shiny paper and meet the standards according to § 1.84. If corrections to the drawings are necessary, they should be made to the original drawing and a high-quality copy of the corrected original drawing then submitted to the Office. Only one copy is required or desired. For comments on proposed then-new 37 C.F.R. § 1.84, see Notice of March 9, 1988 (1990 O.G. 57-62).
	NOTE:	inve if the be p	ntifying indicia, if provided, should include the application number or the title of the invention, ntor's name, docket number (if any), and the name and telephone number of a person to call e Office is unable to match the drawings to the proper application. This information should laced on the back of each sheet of drawing a minimum distance of 1.5 cm (5/8 inch) down the top of the page "37 C.F.R. § 1.84(c)).
			(complete the following, if applicable)
	0	and atta The "PE 1.8 I for	e enclosed drawing(s) are photograph(s). Three (3) sets of photographs a "PETITION TO ACCEPT PHOTOGRAPH(S) AS DRAWING(S)" are ached. 37 C.F.R. § 1.84(b). e enclosed drawing(s) are in color. Three (3) sets of color drawings and a ETITION TO ACCEPT COLOR DRAWING(S)" are attached. 37 C.F.R. §§ 4(a)(2) and 1.84(b). mal
	<b>B</b> . O	ther F	Papers Enclosed
	<u>1</u> P	ages	of declaration and power of attorney of abstract (Title Page)
4.	Addit	ional	papers enclosed
		3	Amendment to claims
		cal	Cancel in this application claims before claiming the filing fee. (At least one original independent claim must be ained for filing purposes.)  Add the claims shown on the attached amendment. (Claims added have been numbered consecutively following the highest numbered original claims.)
		] Pr	eliminary Amendment
	Е		formation Disclosure Statement (37 C.F.R. § 1.98)
		] Fo	rm PTO-1449 (PTO/SB/08A and 08B)

	11						
	Authorization of Attorney(s) to Accept and Follow Instructions from						
	Representative Special Comments Other						
5. De	claration or oath (including power of attorney)						
NOTE:	A newly executed declaration is not required in a continuation or divisional application provided that the prior nonprovisional application contained a declaration as required, the application being filed is by all or fewer than all the inventors named in the prior application, there is no new matter in the application being filed, and a copy of the executed declaration filed in the prior application (showing the signature or an indication thereon that it was signed) is submitted. The copy must be accompanied by a statement requesting deletion of the names of person(s) who are not inventors of the application being filed. If the declaration in the prior application was filed under § 1.47, then a copy of that declaration must be filed accompanied by a copy of the decision granting § 1.47 status or, if a nonsigning person under § 1.47 has subsequently joined in a prior application, then a copy of the subsequently executed declaration must be filed. See 37 C.F.R. §§ 1.63(d)(1)-(3).						
NOTE:	A declaration filed to complete an application must be executed, identify the specification to which it is directed, identify each inventor by full name including family name and at least one given name, without abbreviation together with any other given name or initial, and the residence, post office address and country or citizenship of each inventor, and state whether the inventor is a sole or joint inventor. 37 C.F.R. § 1.63(a)(1)-(4).						
NOTE:	"The inventorship of a nonprovisional application is that inventorship set forth in the oath or declaration as prescribed by § 1.62, except as provided for in § 1.53(d)(4) and § 1.63(d). If an oath or declaration as prescribed by § 1.63 is not filed during the pendency of a nonprovisional application, the inventorship is that inventorship set forth in the application papers filed pursuant to § 1.53(b), unless a petition under this paragraph accompanied by the fee set forth in § 1.17(l) is filed supplying or changing the name or names of the inventor or inventors." 37 C.F.R. § 1.41(a)(1).						
	□ Enclosed						
	Executed by						
	(check all applicable boxes)						
	<ul> <li>inventor(s).</li> <li>legal representative of inventor(s). 37 C.F.R. §§ 1.42 or 1.43.</li> <li>joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached.</li> </ul>						
	☐ This is the petition required by 37 C.F.R. § 1.47 and the statement required by 37 C.F. R. § 1.47 is also attached. See item 13 below for fee.						
	☑ Not Enclosed						
NOTE:	Where the filing is a completion in the U.S. of an International Application or where the completion of the U.S. application contains subject matter in addition to the International Application, the application may be treated as a continuation or continuation-in-part, as the case may be, utilizing ADDED PAGE FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION CLAIMED.						
Application is made by a person authorized under 37 C.F.R. § 1.41(c) of behalf of all the above named inventor(s).							

(The de	claratio	on or oath,	along with the	e surcharge requ subsequently		§ 1.16(e) can be filed
				at the filing is aut d unless called i	horized. nto question. 37 C	C.F.R. § 1.41(d))
6. Inven	itorshi	p Stateme	ent			
WARNING:	owne	named inveership of the nitted.	ntors are each no various claims a	ot the inventors of a t the time the last	l the claims an explan claimed invention was	ation, including the s made, should be
The inven	ntorship	for all the	claims in this	application are:		
⊠ T	he san	ne.				
				or		
	at th	the same. ne time the ubmitted.	An explanati last claimed i	on, including the nvention was m	e ownership of the ade,	various claims
		be submit	ted			
7. Lang	luage					
NOTE: An application including a signed oath or declaration may be filed in a language of An English translation of the non-English language application and the processing required by 37 C.F.R. § 1.17(k) is required to be filed with the application, or within the set by the Office. 37 C.F.R. § 1.52(d).				sing fee of \$130.00		
D	⊠ Eng	jlish				
[	□ Nor	n English				
	☐ The	attached	translation inc	ludes a stateme	ent that the transla	tion is accurate.
	37	C.F.R. § 1	.52(d).			
8. Assi	gnmer	nt				
<u> </u>	⊠ An	assignme	nt of the inven	tion to NOKIA C	ORPORATION	
		(DOCUM	ENT) ACCON TO 1595 is als	IPANYING NEV	ER SHEET FOR V PATENT APPL	ASSIGNMENT LICATION" or □
NOTE:	"If an as application	ssignment is on and one fo	s submitted with or the assignment	a new application "Notice of May 4, 1	, send two separate 990 (1114 O.G. 77-78	letters-one for the ).
WARNING	: A r	newly execu tinuation-in-p	ted "CERTIFICA part application is	TE UNDER 37 C filed by an assignee	F.R. § 3.73(b)" mus . Notice of April 30, 19	st be filed when a 93, 1150 O.G. 62-64.
	This is	а 🗆 с	continuation	☐ divisional	application and	the assignment
docu	ıment f	for the par	ent applicatior	0 /	was file	ed on
		·				
						Reel Frame

	ertified Copy					
Ce	ertified copy(ies) of appli	ication(s)				
Co	ountry	Appln. N	10.		Filed	
Co	ountry	Appln. N	10.		Filed	
Co	ountry	Appln. N	10.		Filed	
from v	which priority is claimed					
	☐ is (are) attached. ☐ will follow.					
NOTE:	The foreign application for declaration, 37 C.F.R. § 1.		clain	m for priority mu	ast be referred to in the oath o	
NOTE:	U.S. application or Internat § 120 is itself entitled to pri	ional Application from w iority from a prior foreigi PPLICATION TRANSI	/hich n ap	h this applicatior pplication, then c	d directly relates. If any parent oclaims benefit under 35 U.S.C. omplete item 18 on the ADDED BENEFIT OF PRIOR U.S.	
10. Fe	ee Calculation (37 C.F.	R. § 1.16)				
A	. 🗖 Regular appli	cation				
		CLAIMS AS	FIL	ED		
Numb	per filed	Number Extra		Rate	Basic Fee 37 C.F.R. § 1.16(a) \$740.00	
	Claims .F.R. § 1.16(c)) -20 =	= 0	x	\$18.00 =		
	endent Claims .F.R. § 1.16(b)) - 3 =	= 0	×	\$84.00 =		
	ole dependent claim(s), (37 C.F.R. § 1.16(d))		+	\$280.00		
	☐ Amendment dele	celing extra claims ting multiple-deper ms is not being pai	nde	ncies is encl	osed.	
NOTE:	NOTE: If the fees for extra claims are not paid on filing, they must be paid or the claims amendment, prior to the expiration of the time period set for response by the Patent a Office in any notice of fee deficiency. 37 C.F.R. § 1.16(d).					
		Filing Fee Calc	ula	tion	\$	
	<b>B.</b> □ Design appli (\$310.00 – 3	cation 7 C.F.R. § 1.16(f))				

Filing Fee Calculation

•	C. □ Plant application
	(\$510.00 - 37 C.F.R. § 1.16(g))
	Filing Fee Calculation \$
11. Sma	III Entity Statement(s)
	Statement(s) that this is a filing by a small entity under 37 C.F.R. §§ 1.9 and 1.27 is (are) attached.
WARNING	"Status as a small entity must be specifically established in each application or patent in which the status is available and desired. Status as a small entity in one application or patent does not affect any other application or patent, including applications or patents which are directly or indirectly dependent upon the application or patent in which the status has been established. The refiling of an application under § 1.53 as a continuation, division, or continuation-in-part (including a continued prosecution application under § 1.53(d)), or the filing of a reissue application requires a new determination as to continued entitlement to small entity status for the continuing or reissue application. A nonprovisional application claiming benefit under 35 U.S.C. § 119(e), 120, 121, or 365(c) of a prior application, or a reissue application may rely on a statement filed in the prior application or in the patent if the nonprovisional application or the reissue application includes a reference to the statement in the prior application or in the patent or includes a copy of the statement in the prior application or in the patent and status as a small entity is still proper and desired. The payment of the small entity basic statutory filing fee will be treated as such a reference for purposes of this section." 37 C.F.R. § 1.28(a)(2).
WARNING	3: "Small entity status must not be established when the person or persons signing the statement can <b>unequivocally</b> make the required self-certification." M.P.E.P., § 509.03, 6 <sup>th</sup> ed., rev. 2, July 1996 (emphasis added).
	(complete the following, if applicable)
	☐ Status as a small entity was claimed in prior application
	, filed on, from which benefit is being claimed for this application under:
	35 U.S.C. § □ 119(e),
	□ 120,
	□ 121,
	□ 365(c),
	and which status as a small entity is still proper and desired.
	□ A copy of the statement in the prior application is included.
	Filing Fee Calculation (50% of A, B, or C above)
	\$
NOTE:	Any excess of the full fee paid will be refunded if a small entity statement and a refund request are filed within 2 months of the date of timely payment of a full fee. The two-month period is not extendable under § 1.136. 37 C.F.R. § 1.28(a).
12. Red	quest for International-Type Search (37 C.F.R. § 1.104(d))
	(complete, if applicable)

# 13. Fee Payment Being Made at This Time

X	Not Enclosed						
		No filing fee is to be paid at this time. (This and the surcharge required by 37 C.F.R. § 1.16(e) can subsequently.)	be paid				
	End	Enclosed					
		Filing fee	\$				
		Recording assignment (\$40.00 – 37 C.F.R. § 1.21(h)) (See attached "COVER SHEET FOR ASSIGNMENT ACCOMPANYING NEW APPLICATION.")	\$				
		Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached.  (\$130.00 – 37 C.F.R. §§ 1.47 and 1.17(i))	\$				
		For processing an application with a specification in a non-English language (\$130.00; 37 C.F.R. §§ 1.52(d) and 1.17(k))	\$				
		Processing and retention fee (\$130.00, 37 C.F.R. §§ 1.52(d) and 1.21(l))	\$				
		Fee for international-type search report (\$40.00; 37 C.F.R. § 1.21(e))	\$				
NOTE:	for to 3	37 C.F.R. § 1.21(I) establishes a fee for processing and retaining any application that is abandoned for failing to complete the application pursuant to 37 C.F.R. § 1.53(f) and this, as well as the changes to 37 C.F.R. §§ 1.53 and 1.78(a)(1), indicate that in order to obtain the benefit of a prior U.S. application, either the basic filing fee must be paid, or the processing and retention fee of § 1.21(I) must be paid, within 1 year from the notification under § 53(f).					
	То	tal fees enclosed	\$				
14. Me	etho	d of Payment of Fees					
	Attached is a □ check □ money order in the amount of \$						
	Authorization is hereby made to charge the amount of \$						
		to Deposit Account No.					
		to Credit card as shown on the attached credit card information pTO-2038.	tion authorization				
WARNI	VG::	Credit card information should not be included on this form as it may become	ne public.				
	☐ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.						
	A duplicate of this paper is attached.						

#### 15. Authorization to Charge Additional Fees

**WARNING:** If no fees are to be paid on filing, the following items should <u>not</u> be completed. Accurately count claims, especially multiple dependent claims, to avoid unexpected high **WARNING:** charges, if extra claim charges are authorized. ☐ The Office is hereby authorized to charge, in the manner shown above, the following additional fees that may be required by this paper and during the entire pendency of this application. ☐ 37 C.F.R. § 1.16(a), (f), or (g) (filing fees) ☐ 37 C.F.R. § 1.16(b), (c), and (d) (presentation of extra claims) NOTE: Because additional fees for excess or multiple dependent claims not paid on filing or on later presentation must only be paid or these claims canceled by amendment prior to the expiration of the time period set for response by the P.T.O. in any notice of fee deficiency (37 C.F.R. § 1.16(d)), it might be best not to authorize the P.T.O. to charge additional claim fees, except possibly when dealing with amendments after final action. □ 37 C.F.R. § 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application) ☐ 37 C.F.R. § 1.17(a)(1)-(5) (extension fees pursuant to § 1.136(a)) ☐ 37 C.F.R. § 1.17 (application processing fees) WARNING: "...A written request may be submitted in an application that is an authorization to treat any concurrent or future reply, requiring a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. An authorization to charge all required fees, fees under § 1.17, or all required extension of time fees will be treated as a constructive petition for an extension of time in any concurrent or future reply requiring a petition for an extension of time under this paragraph for its timely submission. Submission of the fee set forth in § 1.17(a) will also be treated as a constructive petition for an extension of time in any concurrent reply requiring a petition for an extension of time under this paragraph for its timely submission." 37 C.F.R. § 1.136(a)(3).

NOTE: Where an authorization to charge the issue fee to a deposit account has been filed before the mailing of a Notice of Allowance, the issue fee will be automatically charged to the deposit account at the time of mailing the Notice of Allowance. 37 C.F.R. § 1.311(b).

pursuant to 37 C.F.R. § 1.311(b))

☐ 37 C.F.R. § 1.18 (issue fee at or before mailing of Notice of Allowance,

NOTE: 37 C.F.R. § 1.28(b) requires "Notification of any change in status resulting in loss of entitlement to small entity status must be filed in the application . . . prior to paying, or at the time of paying, . . . issue fee." From the wording of 37 C.F.R. § 1.28(b), (a) notification of change of status must be made even if the fee is paid as "other than a small entity" and (b) no notification is required if the change is to another small entity.

### 16. Instructions as to Overpayment

Customer No. 004955

10. 1110	or a distribution and to distribution.					
NOTE:	"Amounts of twenty-five dollars or less will not be returned unless specifically requested within reasonable time, nor will the payer be notified of such amounts; amounts over twenty-five dollars may be returned by check or, if requested, by credit to a deposit account." 37 C.F.R. § 1.26(a).					
	☐ Credit Account No.					
Reg. N	Dec. 12, 200] No. 41,266 o. (203) 261-1234	SIGNATURE OF PRACTITIONER  James A. Retter (type or print name of practitioner Ware, Fressola, Van Der Sluys & Adolphson LLP 755 Main Street P.O. (Correspondence) Address				

P.O. Box 224

Monroe, CT 06468

 Inc	Incorporation by reference of added pages			
U.S con PA	(check the following item if the application in this transmittal claims the benefit of prior U.S. application(s) (including an international application entering the U.S. stage as a continuation, divisional or C-I-P application) and complete and attach the ADDED PAGES FOR NEW APPLICATION TRANSMITTAL WHERE BENEFIT OF PRIOR U.S. APPLICATION(S) CLAIMED.)			
	Plus Added Pages for New Application Application(s) Claimed			
	,,	Number of pages added		
	Plus Added Pages for Papers Referred to	o in Item 4 Above		
		Number of pages added		
	Plus added pages deleting names of in who is/are no longer inventor(s) of the su			
		Number of pages added		
	Plus "Assignment Cover Letter Accompa	nying New Application"		
		Number of pages added		
Sta	atement Where No Further Pages Added	d		
	(if no further pages form a part of this This page and check the following item.	ransmittal, then end this Transmittal with		
X	This transmittal ends with this page.			